

GRATE FRAME FOR TYPE GDO INLET

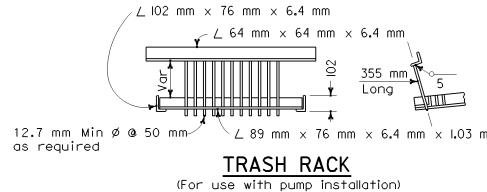


TABLE B

CURB TYPE	NORMAL CURB HEIGHT	CURB BATTER	"a" DIMENSION	"b" DIMENSION
A-150	150	40	T+190	T+160
A-200	200	50	T+180	T+150
B	150	100	T+130	T+100
"A" Dike	150	75	T+155	T+125

TABLE A

CONCRETE QUANTITIES				
TYPE	H=0.90 m TO 2.50 m (T=150 mm)	H=2.51m TO 6.00 m (T=200 mm)		
	H=0.90 m (m <sup>3</sup> )	ADDITIONAL PCC PER METER (m <sup>3</sup> )	H=2.51m (m <sup>3</sup> )	ADDITIONAL PCC PER METER (m <sup>3</sup> )
GO	0.91	0.61	2.57	0.86
GDO	1.21	0.80	3.33	1.11

Table based on 200 mm floor slab, no deduction for pipe openings, and curb type giving highest quantity of concrete. No deductions or adjustments are to be made to these quantities because of pipe openings, different floor alternatives or different curb type.

NOTES

1. "H" is the difference in elevation between the outlet pipe flow line and the normal gutter grade line undepressed.
2. For "T" wall thickness, see Table A below.
3. Wall reinforcing not required when "H" is 2.5 m or less and the unsupported width or length is 2.1 m or less. Walls exceeding these limits shall be reinforced with #13 bars @ 450 mm\* centers placed 40 mm clear to inside of box & otherwise shown.
4. Inlet bottom reinforcing not required. See Standard Plan D74C for alternative reinforced bottom.
5. Steps - None required where "H" is less than 0.75 m. Where "H" is 0.75 m or more, install steps with lowest rung 300 mm above the floor and highest rung not more than 150 mm below top of inlet. The distance between steps shall not exceed 300 mm and shall be uniform throughout the length of the wall. Place steps in the wall without an opening. Step Inserts may be substituted for the bar steps. Step Inserts shall comply with State Industrial Safety requirements. See Standard Plan D74C for step details.
6. When shown on the project plans, place a 19 mm plain round protection bar horizontally across the length of the opening and bend back 100 mm into the inlet wall on each side.
7. Pipe(s) can be placed in any wall.
8. Curb section shall match adjacent curb.
9. Basin floors shall have wood trowel finish and shall slope toward the outlet pipe as shown.
10. Galvanizing - See Standard Specifications or Special Provisions.
11. See Standard Plan D77A and D77B for grate and frame details and masses of miscellaneous iron and Steel.
12. See Standard Plan D78 for gutter depression details.
13. Full penetration butt welds may be substituted for the fillet welds on all anchors.
14. Standard square, hexagon, round or equivalent headed anchors may be substituted for the right angle hooks on the anchors shown on this plan.
15. Cast-in-place or precast alternative is optional with contractor. See Standard Specifications.
16. Cast-in-place inlets to be formed around all pipes/stubs intersecting the inlet and concrete poured in one continuous operation. Precast inlets shall have mortared pipe connections conforming to details for Type GCP inlets on Standard Plan D75B. See Standard Specifications for mortar composition.

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

## DRAINAGE INLETS

NO SCALE

ALL DIMENSIONS ARE IN  
MILLIMETERS UNLESS OTHERWISE SHOWN

D74B